Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 06:00 on Wednesday 20 Dec 2023 until 23:59 on Thursday 21 Dec 2023

Forecast Issued on Wednesday 20 Dec 2023 at 00:53

Confidence: High confidence for windy and unsettled conditions through the week, with especially strong winds Thursday. Confidence in the timing and extent of rain lowering through the weekend.

Headline for Wednesday 20 Dec 2023: Wet and increasingly windy throughout the day.

Mountain weather hazards on Wednesday 20 Dec 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Medium Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Light rain	Heavy Rain	Heavy Rain	Light rain	Light rain
Precipitation probability					
30%	80%	90%	90%	70%	60%

Forecast for Wednesday 20 Dec 2023

Weather: Occasional showers during the early hours of Wednesday, easing off around dawn. Widespread low cloud and rain soon pushes in from the northwest by mid-morning. Rain likely heavy at first, especially on western upslopes. Rain persisting through the afternoon and evening, but easing and perhaps becoming more drizzly later. Strong westerly winds with gales likely at height.

Chance of cloud-free hill tops above 600m: 40% during the early hours, soon reducing to 20% by mid-morning.

Low Cloud and visibility: Areas of cloud with bases around 500-700m at first. Cloud soon becoming extensive with bases widely lowering towards 500m, perhaps bases this on westerly slopes and in association with heavier rainfall. Some breaks are possible east of Bainbridge by early evening. Visibility outside of cloud will be moderate in rain or showers, poor or very poor in heavier downpours and drizzle.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Mountain Weather Forecast

Forecast for Wednesday 20 Dec 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	25/32 W	23/33 W	29/41 W	29/40 W	27/39 W	30/43 W	32/47 W
300	14/32 W	15/31 W	19/38 W	18/37 W	17/36 W	19/38 W	23/46 W
Valley	9/26 W	12/27 W	16/34 W	16/33 W	15/31 W	16/33 W	15/33 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	3/-4	4/-2	5/-1	5/-1	6/0	6/-0	6/-0
300	5/1	6/2	7/3	7/3	7/3	8/3	8/3
Valley	6/3	7/4	8/5	8/5	9/6	9/6	9/6
Freezing Level*	1000m	1200m	1400m	1600m	1700m	1600m	1800m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Very strong winds, particularly at height, with gales and gusts in excess of 50mph. These winds will give difficult walking conditions with a risk of being blown off balance and severely hamper progress. Severe wind chill at times.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Wed 20 Dec 2023	4mm	12.4mm	21mm

Forecast for Thursday 21 Dec 2023

Weather: Mainly light rain and drizzle persisting overnight into Thursday, clearing to the south through the early part of the morning. It will become widely drier and brighter behind with plenty of sunny spells and some blustery showers.

Maximum wind: Westerly 35-45 mph gusting 50-60 mph, perhaps 70 mph in exposure. Winds easing slightly late on.

Chance of cloud-free hill tops above 600m: 30% during the early hours, increasing 80% or more Thursday morning.

Low Cloud and visibility: Extensive cloud with bases 500-700m, soon clearing away to the south. Cloud then lifting clear of summits and breaking to few amounts. Bases may shroud highest tops in the vicinity of showers later. Visibility moderate in rain and moderate to poor in showers. Visibility becoming very good as skies clear.

Temperature: **Valleys:** Plus 10 falling to Plus 7 Celsius
At 600m: Plus 6 falling to 3 Celsius later
Freezing level: Above summits, falling to 1000m into the evening

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